



Sartopore® 2 XLG 0.2 µm

Sterilizing Grade MidiCaps®, MaxiCaps® and Capsules



Description

Sartopore® 2 XLG MidiCaps®, MaxiCaps® and Capsules are self contained filter units that are especially designed for sterilizing grade filtration in special applications of cell culture processes. The unique heterogeneous double layer PES membrane combination of Sartopore® 2 XLG MidiCaps®, MaxiCaps® and Capsules is specifically developed to deal with the broad variety of contaminants in up- and downstream processing of biotech applications. They provide consistently high total throughput performance for biological fluid streams independent from media and process variations.

Applications

Typical applications of Sartopore® 2 XLG MidiCaps®, MaxiCaps® and Capsules include sterilizing grade filtration of: – Plant peptone or yeast supplemented cell culture media – Serum containing cell culture media – Other cell culture media used in biotech manufacturing – Clarified cell culture harvest – Downstream Intermediates (before and after UF|DF and chromatography steps)

Compatibility

The PES membrane of Sartopore® 2 XLG MidiCaps®, MaxiCaps® and Capsules provide broad chemical compatibility from pH 1 to pH 14 and low extractable levels. They are compatible with multiple autoclaving cycles up to 134°C.

Scalability

Sartopore® 2 XLG filter elements are available in a broad range of sizes and formats to provide linear scale-up from R&D to process scale.

Cost Saving

The use of the capsule design concept avoids investment in stainless steel filter housings and eliminates additional costs for cleaning of housings and cleaning validation.

Microbiological Retention

Sartopore® 2 XLG MidiCaps®, MaxiCaps® and Capsules are fully validated as sterilizing grade filters according to HIMA and ASTM F-838-05 guidelines.

Quality Control

Each individual element is tested for integrity by B.P. and Diffusion-Test prior to being released assuring absolute reliability.

Specifications

Materials

Pre-filter Membrane:	Polyethersulfone, asymmetric
End-filter Membrane:	Polyethersulfone, asymmetric
Support Fleece:	Polypropylene
Core:	Polypropylene
End Caps:	Polypropylene
Capsule Housing:	Polypropylene
O-Rings:	Silicone
Filling Bell:	Polycarbonate

Pore Size

0.8 µm + 0.2 µm

Available Sizes | Filtration Area

Capsules

Size 4 0.021 m² | 0.22 ft²

MidiCaps®

Size 7 0.065 m² | 0.7 ft²

Size 8 0.13 m² | 1.4 ft²

Size 9 0.26 m² | 2.8 ft²

Size 0 0.52 m² | 5.6 ft²

MaxiCaps®

Size 1 0.8 m² | 8.6 ft²

Size 2 1.6 m² | 17.2 ft²

Size 3 2.4 m² | 25.8 ft²

Available Connectors Capsules

SS, SO, OO

Available Connectors MidiCaps®

SS, SO, OO, FF, FO, HH (only size 7)

Available Connectors MaxiCaps®

SS, SO, OO, FF, BB

S:	1½" Tri-Clamp (Sanitary)
O:	½" Single stepped hose barb
F:	¾" Tri-Clamp (Sanitary)
H:	¼" Multiple stepped hose barb (with filling bell at the outlet)
B:	¾" – 1" Multiple stepped hose barb
S:	½" Tri-Clamp (only Capsule Size 4)
O:	Multiple stepped hose barb (only Capsule Size 4)

Operating Parameters

Max. Allowable Differential Pressure:	5 bar 72.5 psi at 20°C (MidiCaps)
	4 bar 58 psi at 20°C (MaxiCaps and Capsules)
	2 bar 29 psi at 80°C
Max. Allowable Back Pressure:	2 bar 29 psi at 20°C

По вопросам продаж и поддержки обращайтесь:

Астана+7(7172)727-132, Волгоград(844)278-03-48, Воронеж(473)204-51-73, Екатеринбург(343)384-55-89, Казань(843)206-01-48, Краснодар(861)203-40-90, Красноярск(391)204-63-61, Москва(495)268-04-70, Нижний Новгород(831)429-08-12, Новосибирск(383)227-86-73, Ростов-на-Дону(863)308-18-15, Самара(846)206-03-16, Санкт-Петербург(812)309-46-40, Саратов(845)249-38-78, Уфа(347)229-48-12

sst@nt-rt.ru || sartorius.nt-rt.ru

Specifications

Extractables

Sartopore® 2 XLG 0.2 µm rated MidiCaps®, MaxiCaps® and Capsules meet or exceed the requirements for WFI quality standards set by the current USP.

Regulatory Compliance

Individually integrity tested

Integrity test correlated to HIMA/ASTM F 838-05 Bacteria Challenge Test

Non pyrogenic according to USP Bacterial Endotoxins

Pass USP Plastic Class VI Test

Non fiber releasing according to 21 CFR

Sterilization

Autoclaving:

134°C, 2 bar, 30 min

Sterilization Cycles (MaxiCaps® and MidiCaps®)

Autoclaving: Min. 25

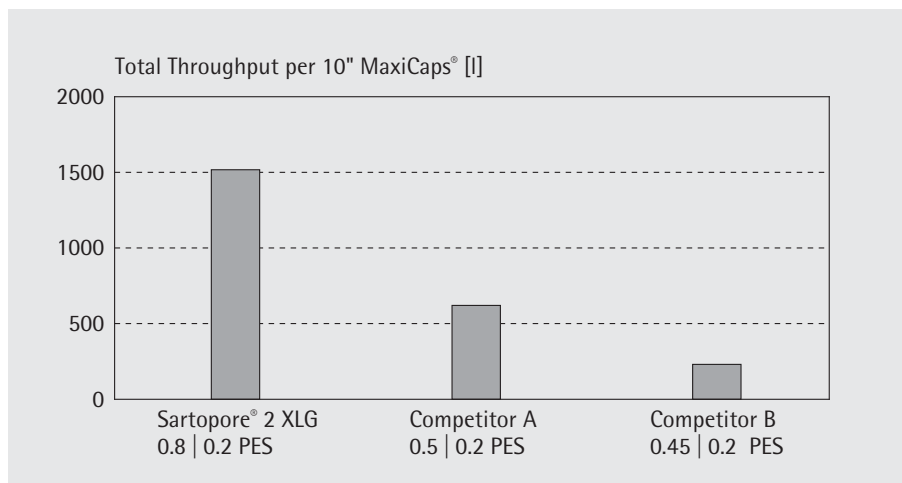
No In-Line Steam Sterilization

Technical References

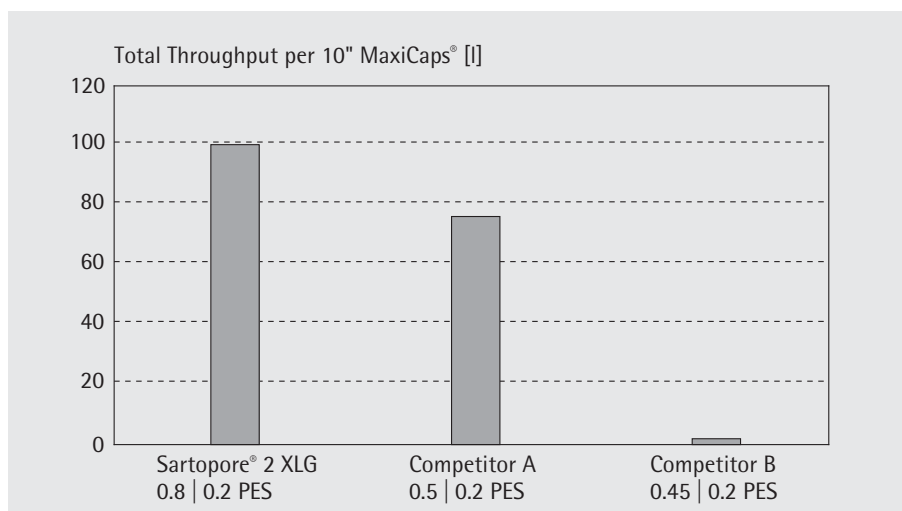
Validation Guide:

SPK5772-e

Soy Peptone Supplemented Cell Culture Media



Monoclonal Antibody Pool



Antibody Concentration: 47.5 mg/ml

Order Codes

	Pore Size [µm]	Pack size (pieces)	Test Pressure [bar psi]	Max. Diffusion [ml/min]	Min. Bubble Point [bar psi]
XLG Capsules:					
5441307G4--**--B	0.8 + 0.2	5	2.5 36	1.1	3.2 46
XLG MidiCaps®:					
5445307G7--**--A	0.8 + 0.2	4	2.5 36	5	3.2 46
5445307G8--**--A	0.8 + 0.2	4	2.5 36	6	3.2 46
5445307G9--**--A	0.8 + 0.2	4	2.5 36	9	3.2 46
5445307G0--**--V	0.8 + 0.2	2	2.5 36	18	3.2 46
XLG MaxiCaps®:					
5441307G1--**	0.8 + 0.2	1	2.5 36	23	3.2 46
5441307G2--**	0.8 + 0.2	1	2.5 36	46	3.2 46
5441307G3--**	0.8 + 0.2	1	2.5 36	69	3.2 46

** : Connector Style

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